

Self Dispensing Sample Container

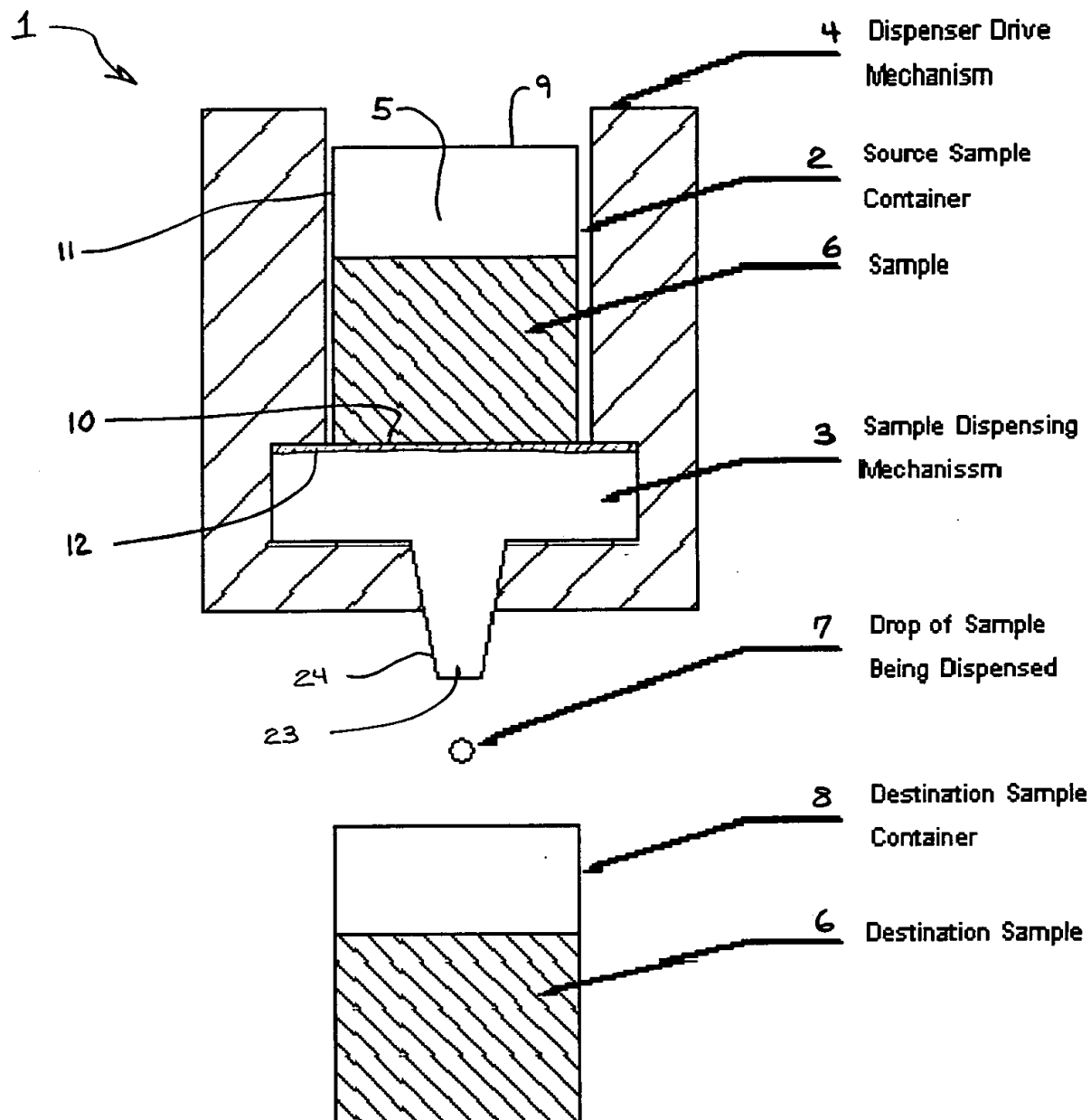


FIG. 1

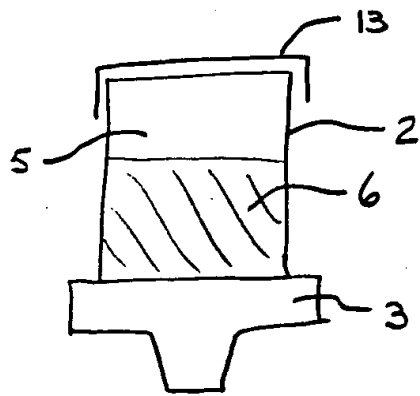


Fig. 2A

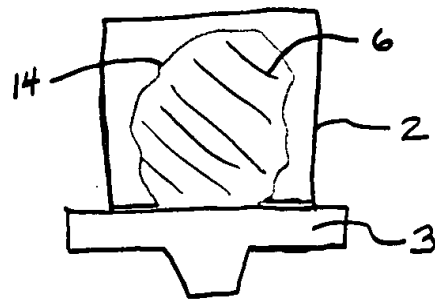


Fig. 2B

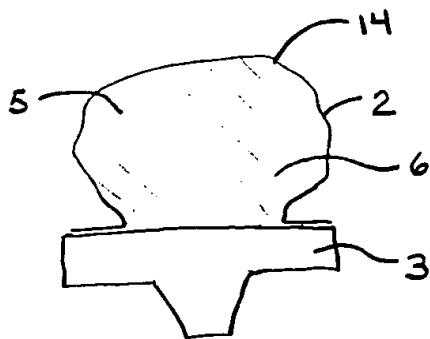


Fig. 2C

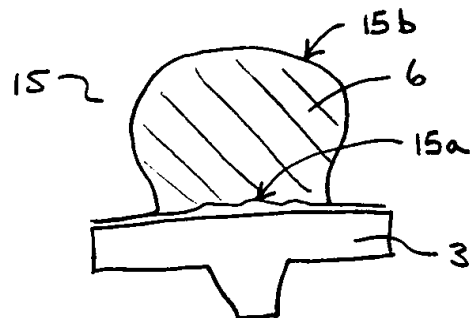


Fig. 2D

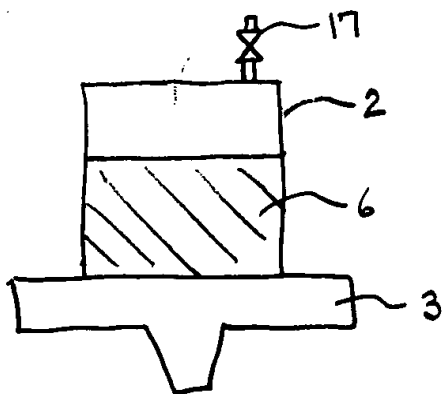


Fig. 2F

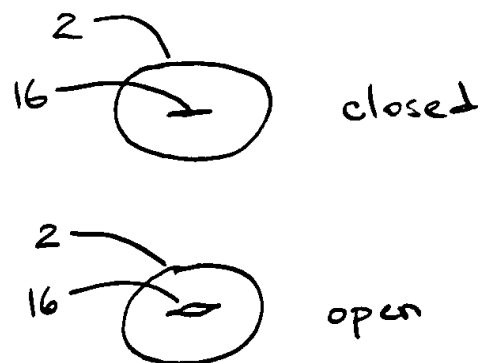


Fig. 2E

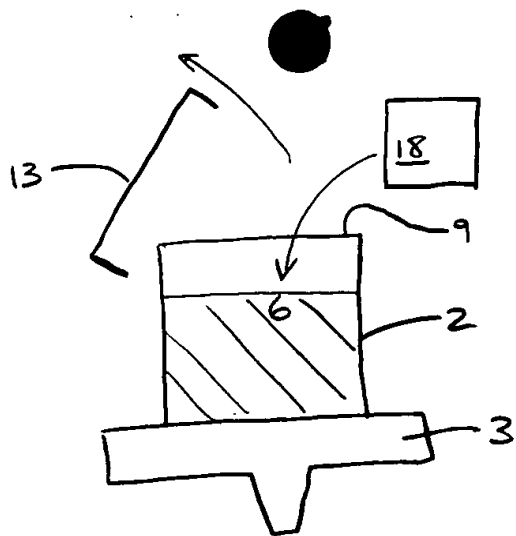


Fig. 3A

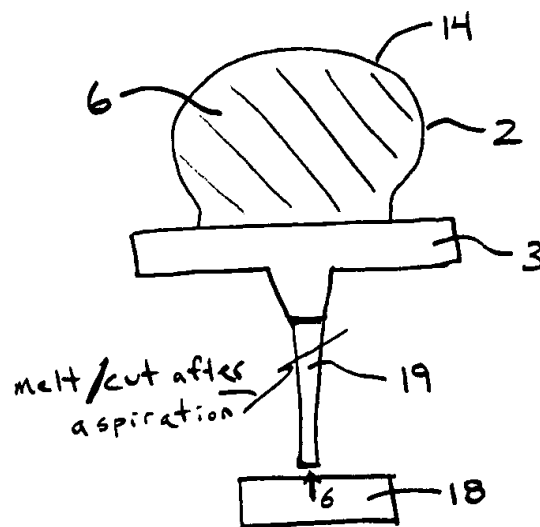


Fig. 3B

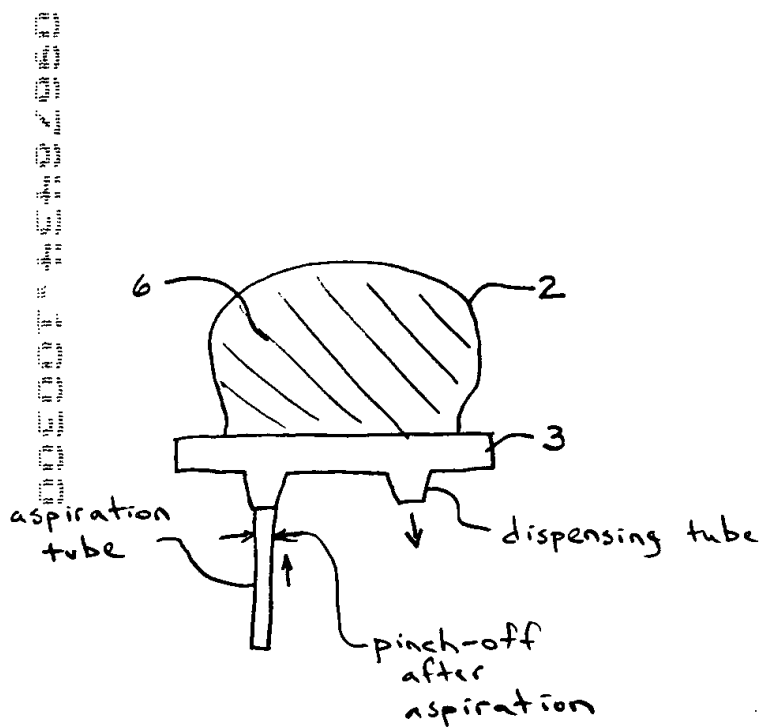


Fig. 3C

Figure of "Time and Pressure" Embodiment

Side View

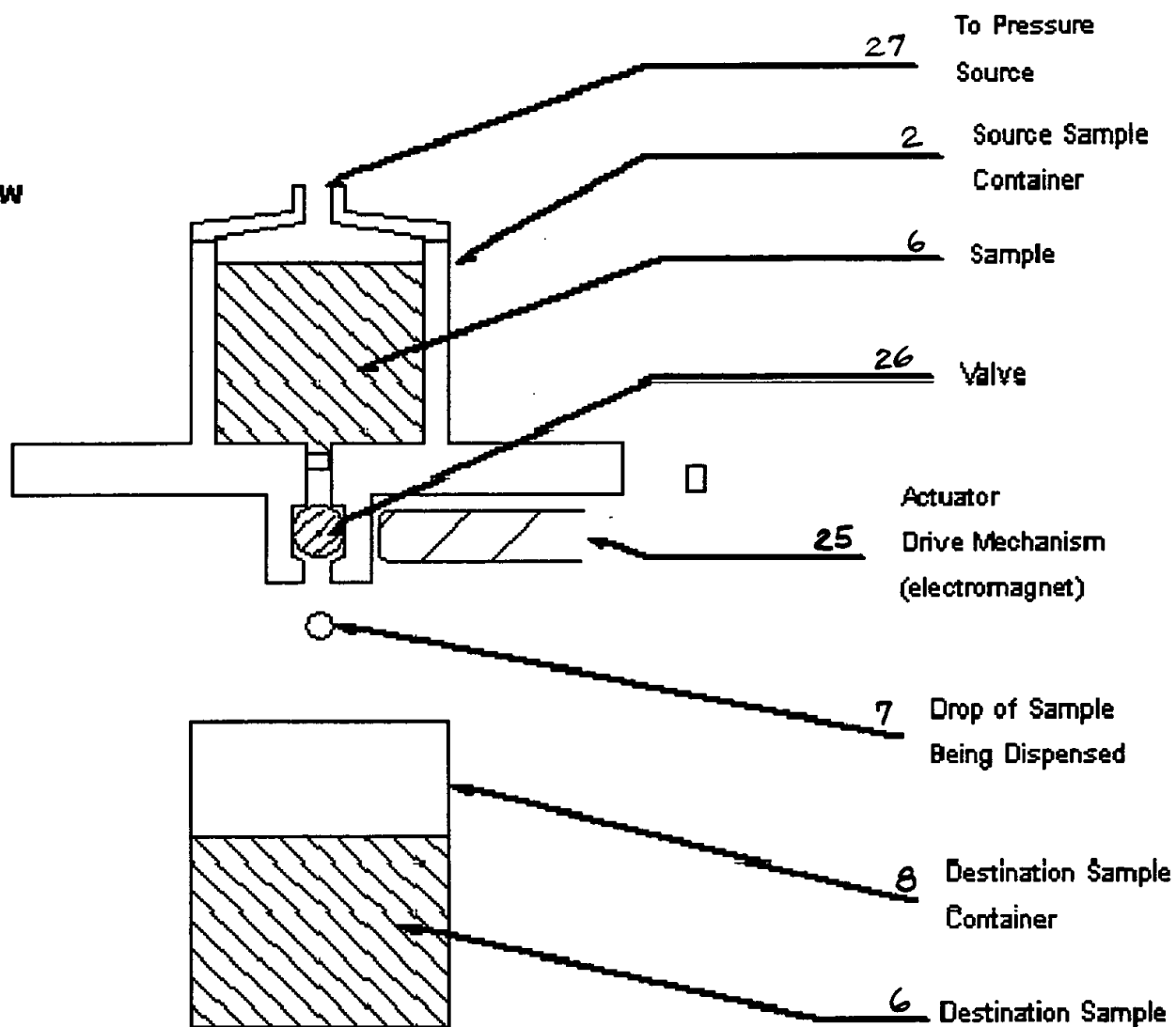


Fig. 4

"Cow Udder" Embodiment

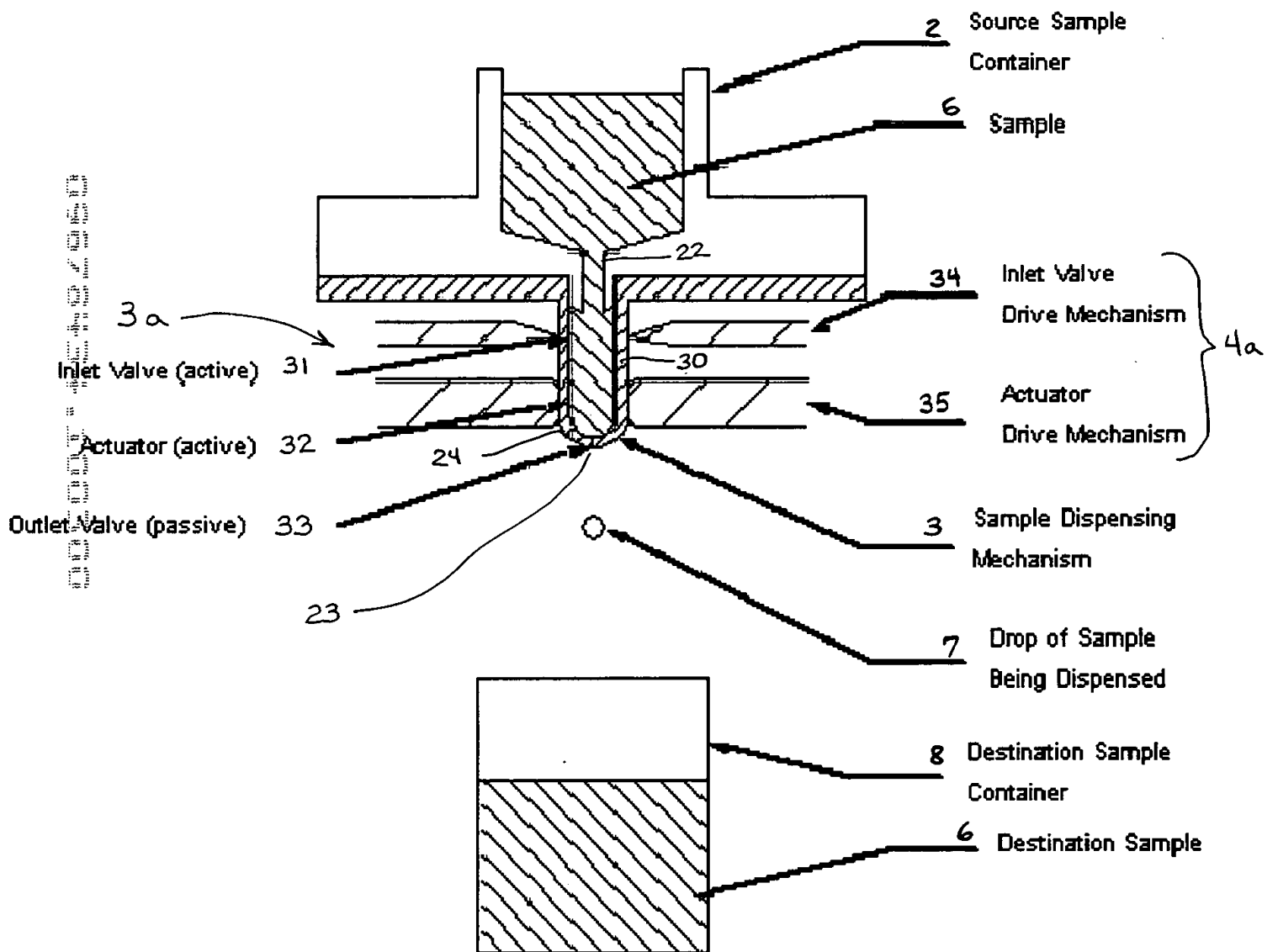


Fig. 5A

"Cow Udder" Embodiment Passive Inlet Valve

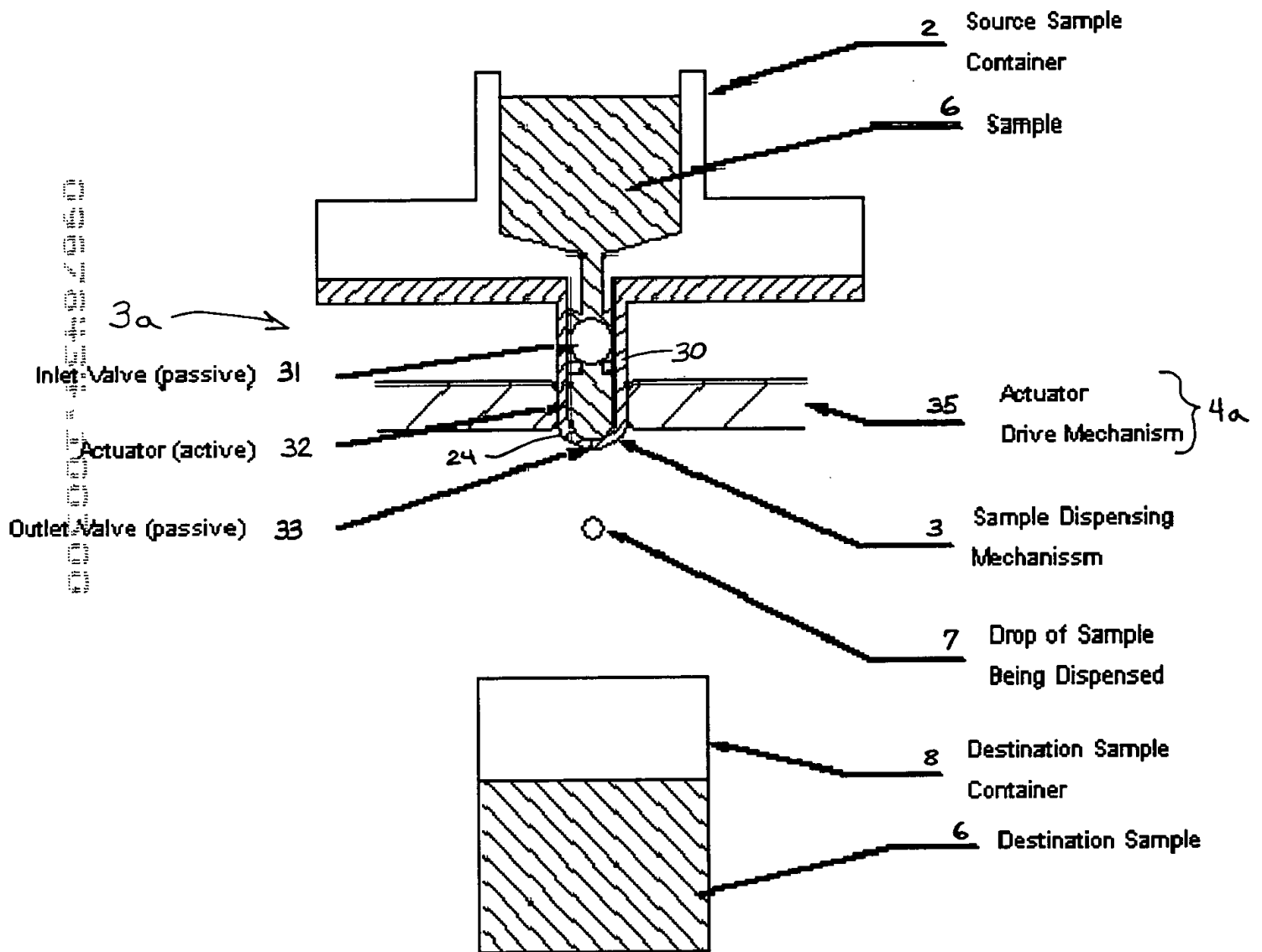


Fig. 5B

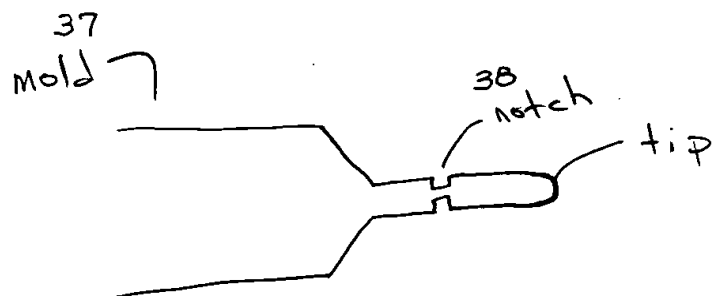


Fig. 6

Fig. 7A

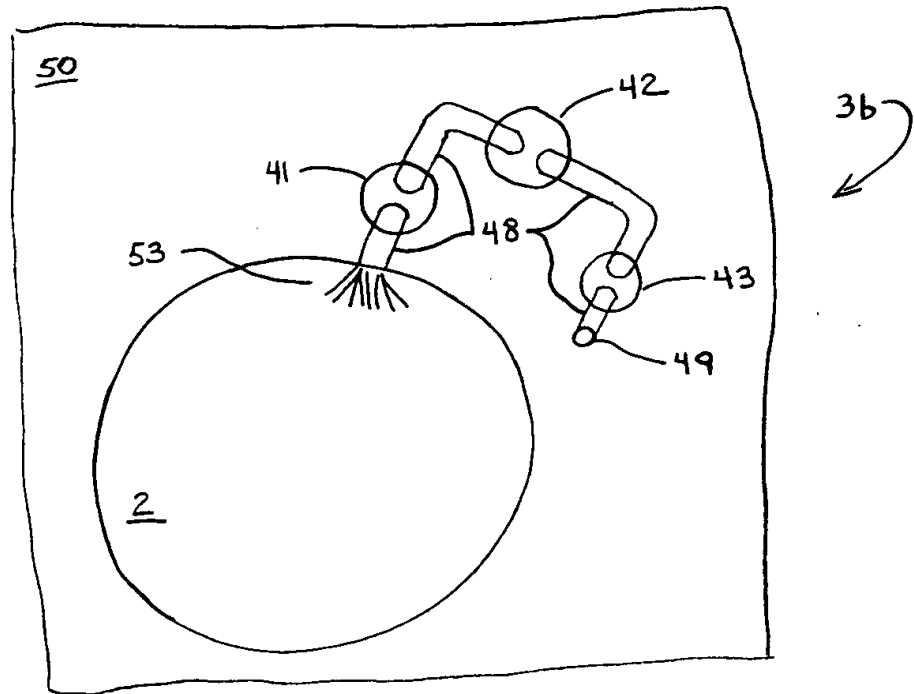


Fig. 7B

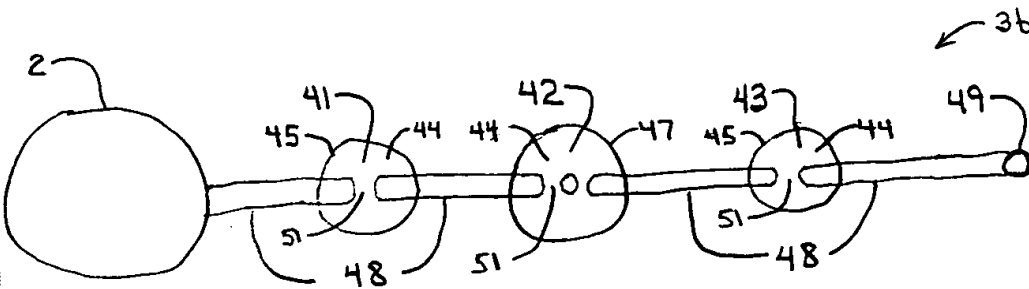
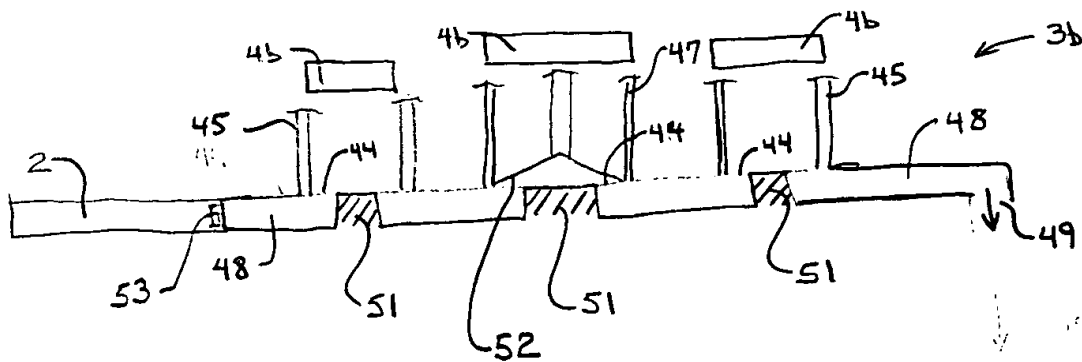


Fig. 7C



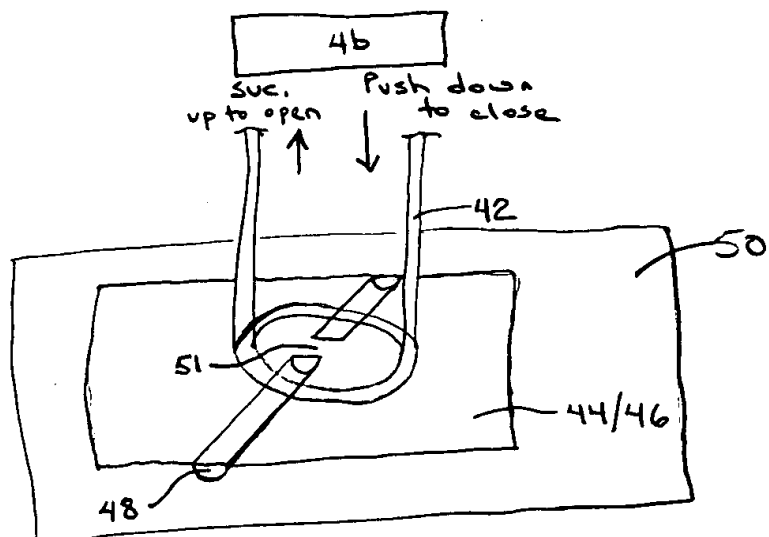


Fig. 7D

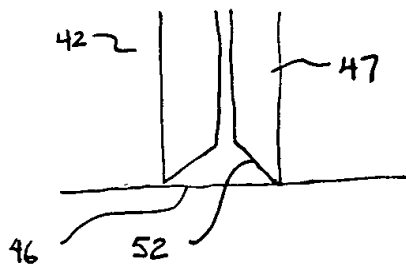


Fig. 7E

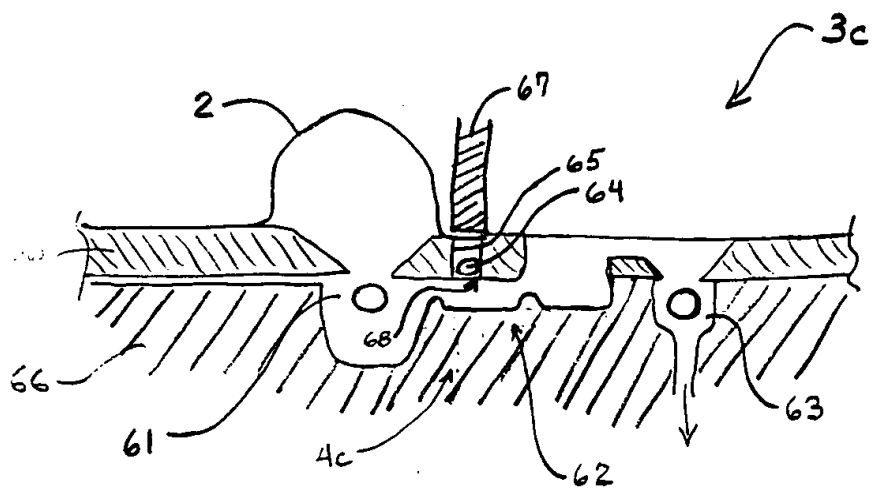


Fig. 8

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$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

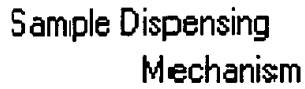
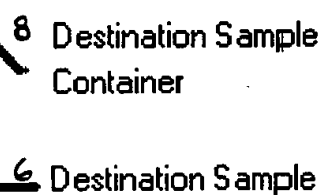
[illegible]

Fig. 9B

Top View of Sample Dispensing Mechanism



78b Magnetic Ball

78c Hinge

• Outlet

• Outlet Valve (passive)

Actuator (active)

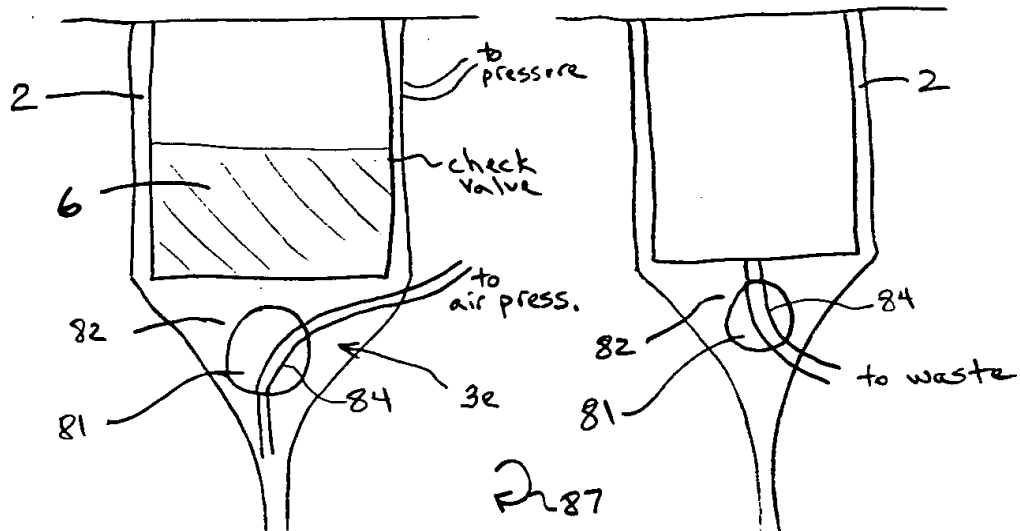


Fig. 10A

Fig. 10B

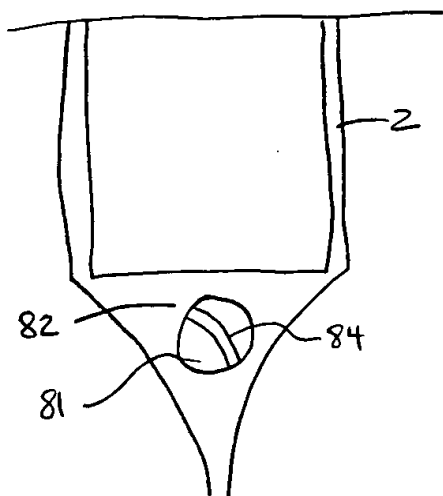


Fig. 10C

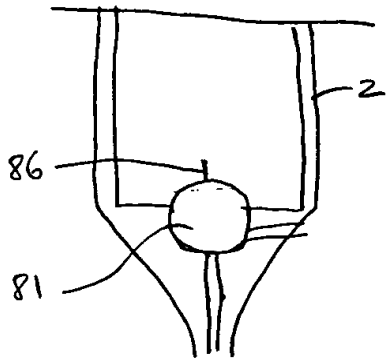


Fig. 10D

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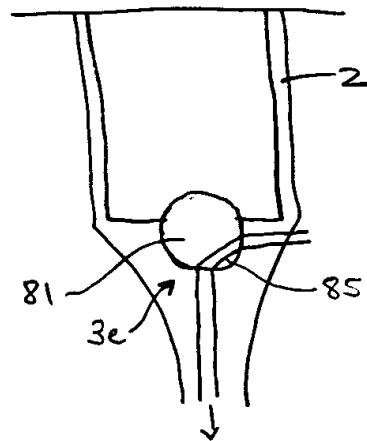


Fig. 10E

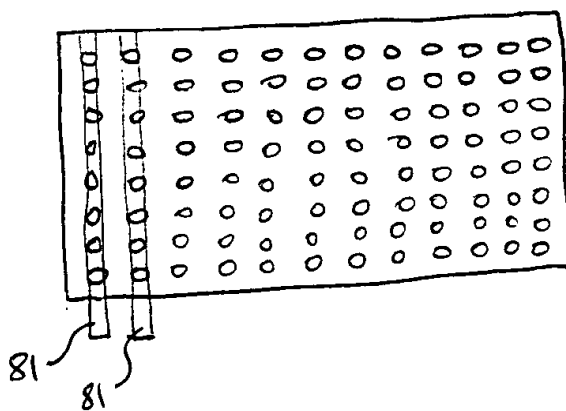
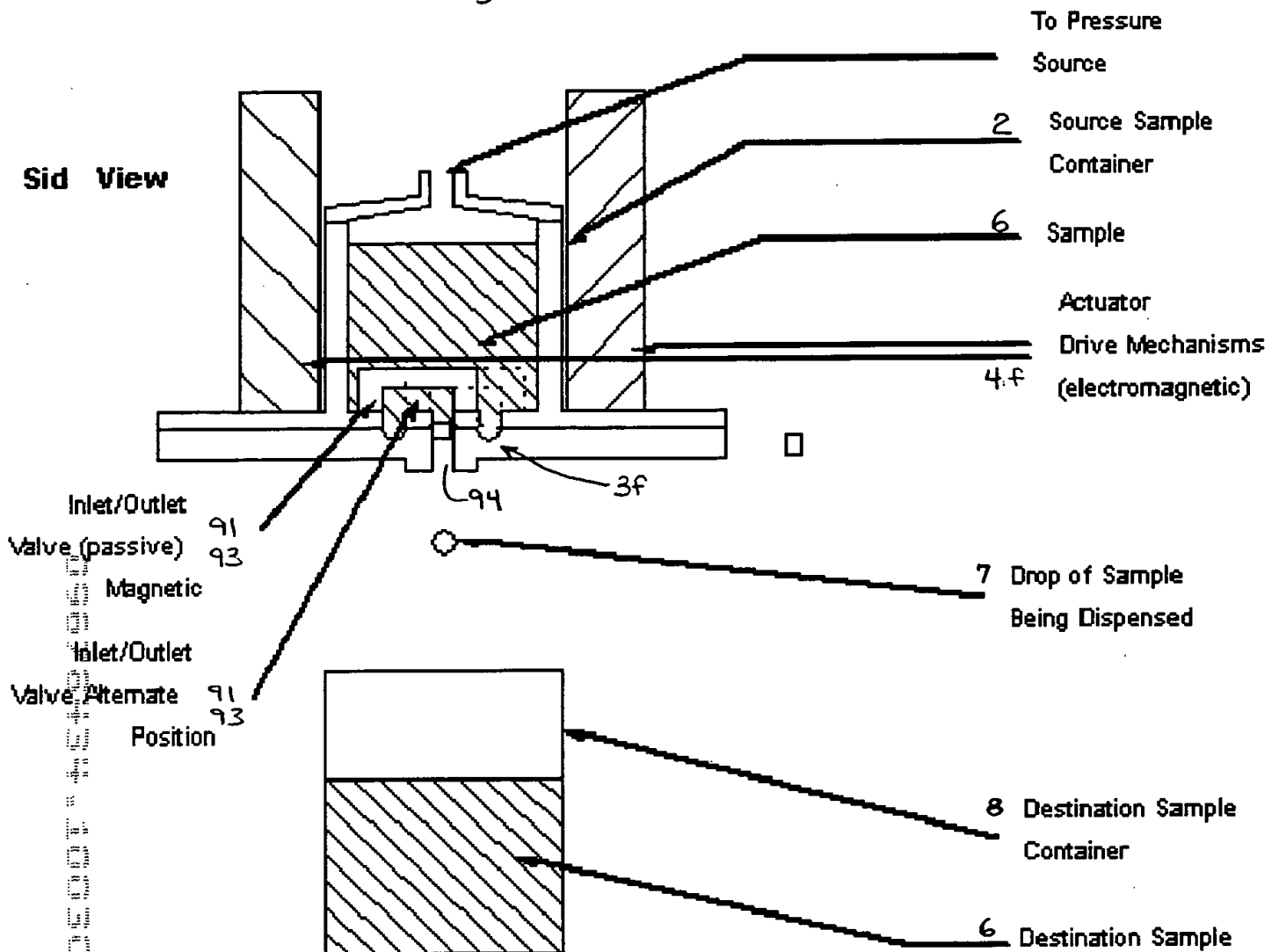


Fig. 10F

"S" System Engine "Embodiment"

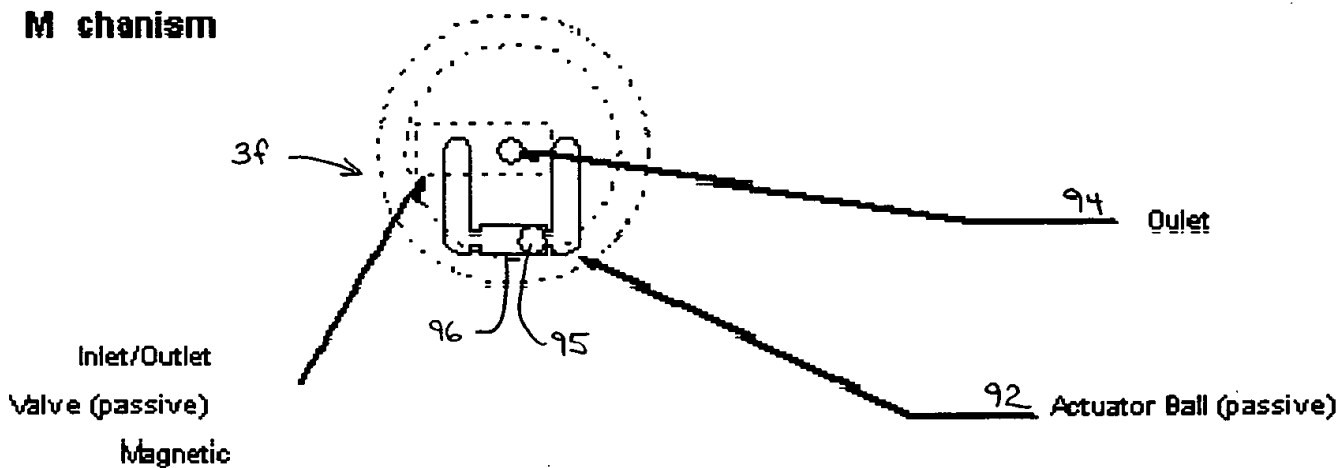
Fig. 11 A

Sid View



Top View of
Sample Dispensing
Mechanism

Fig. 11 B



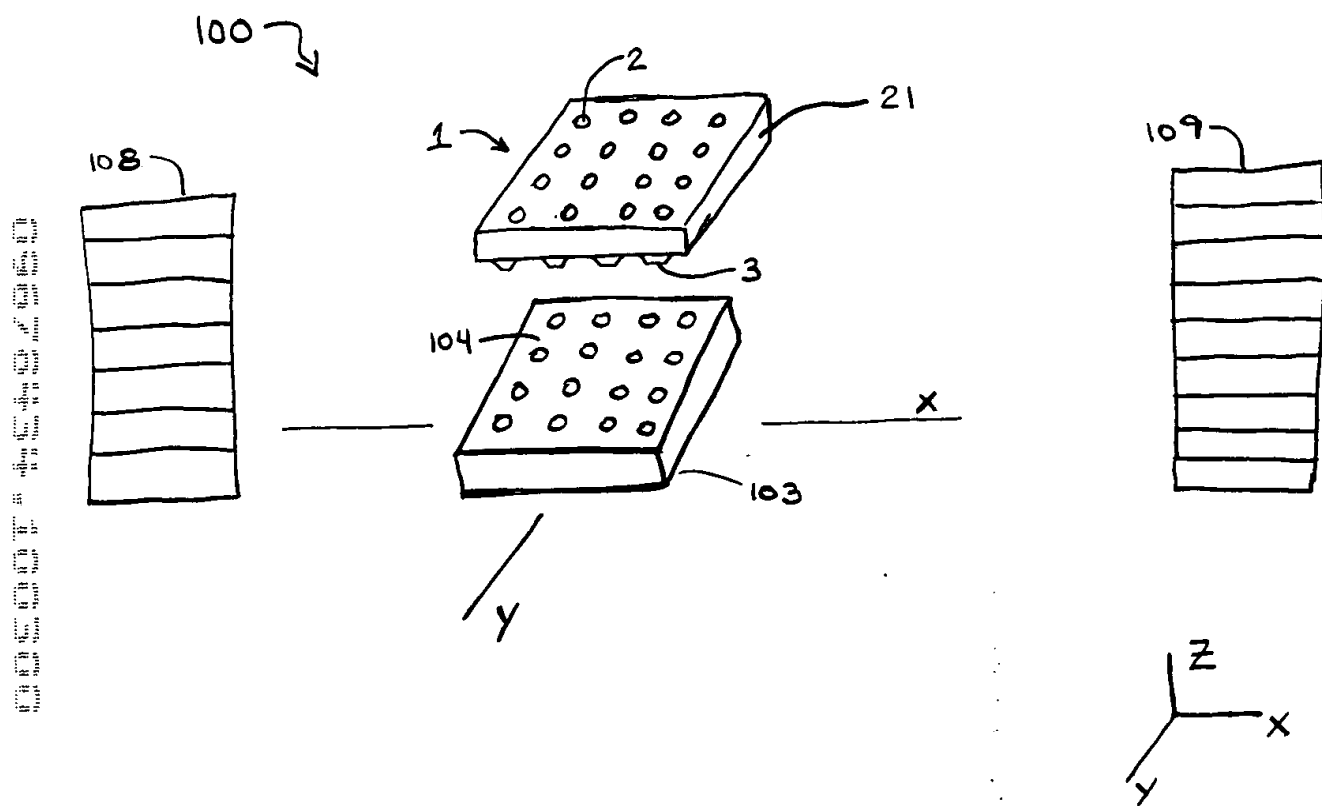


Fig. 12

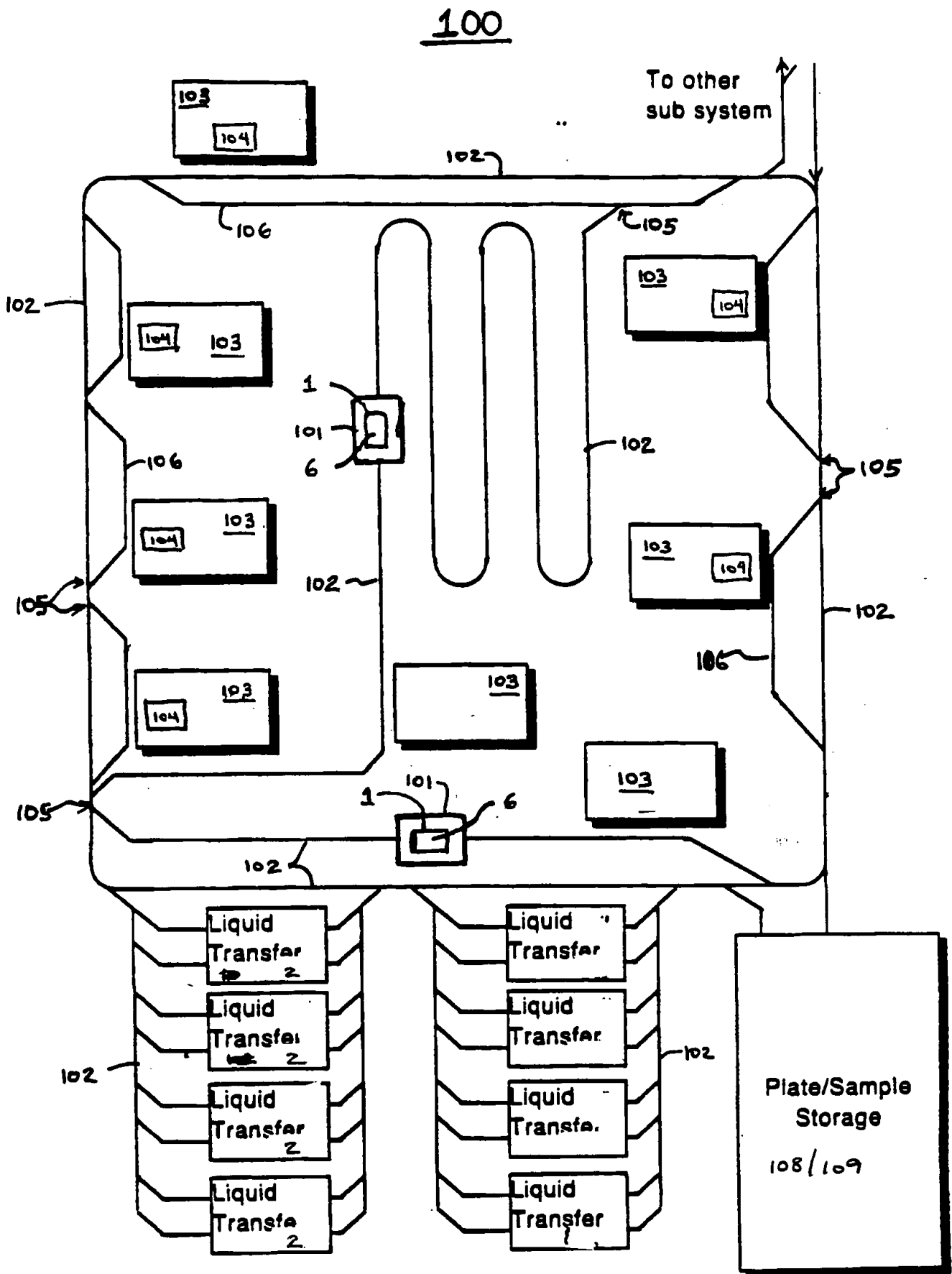


FIGURE 14

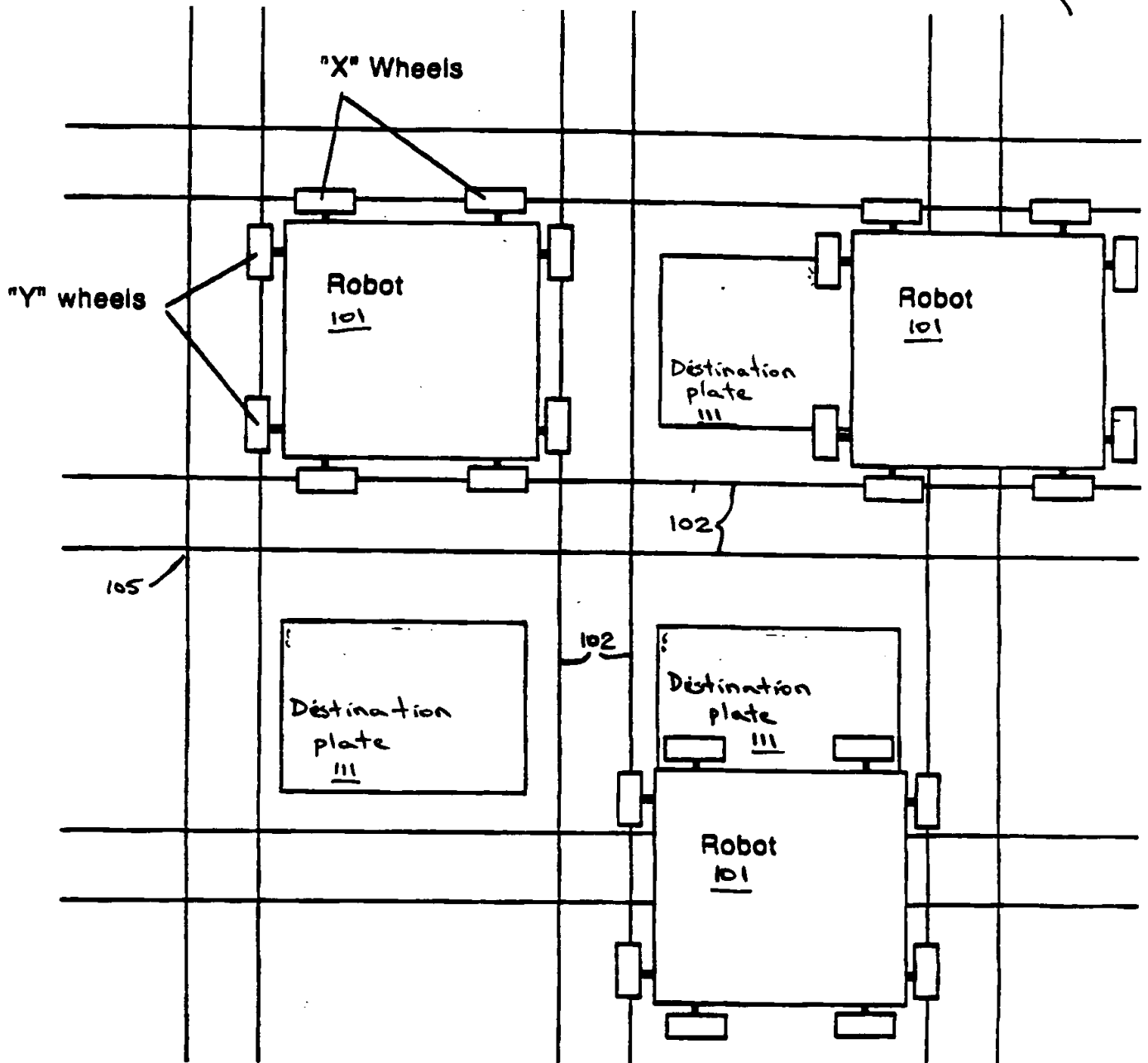


FIGURE 15

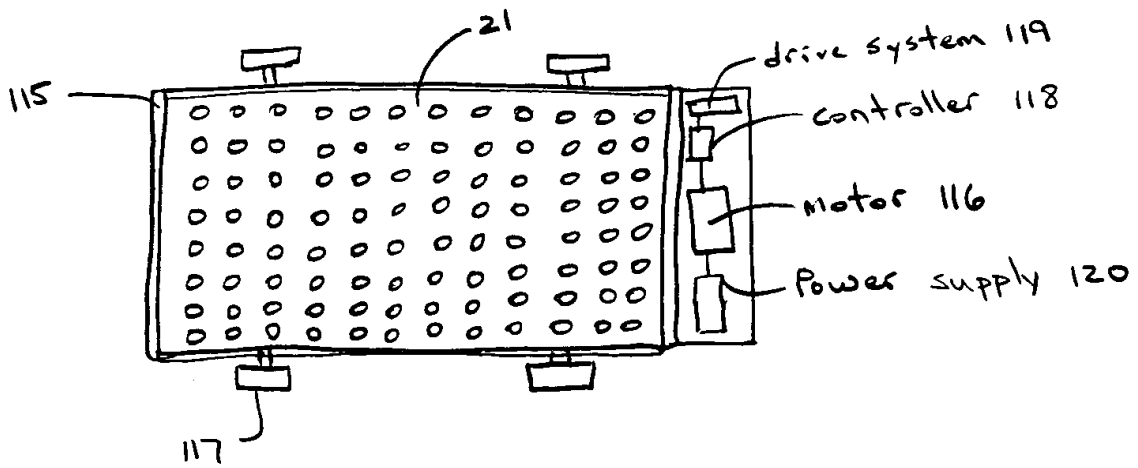


Fig. 16

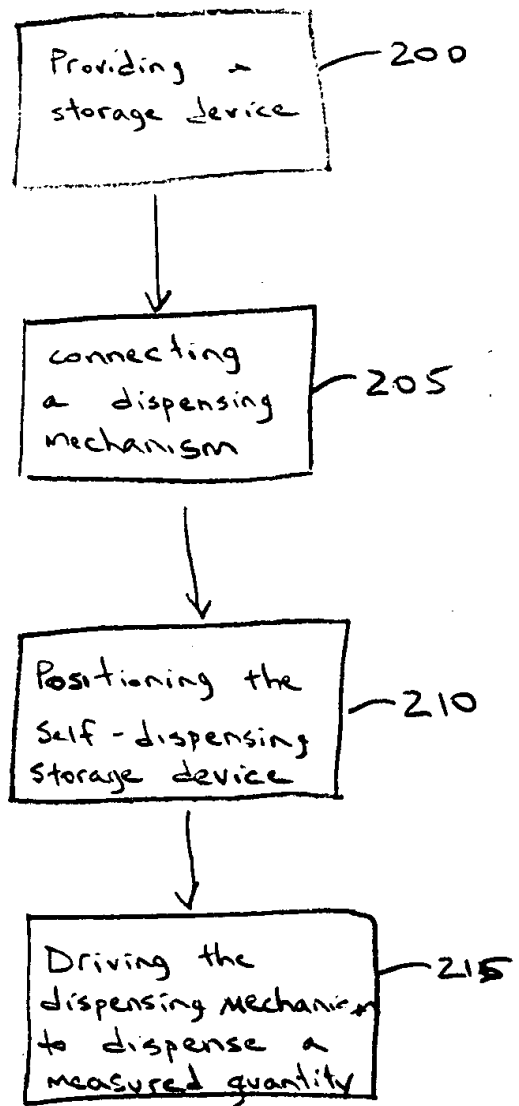


Fig. 17